



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.:	<b>IECEx EXV 22.0021X</b>	Page 1 of 3	<a href="#">Certificate history:</a>
Status:	<b>Current</b>	Issue No: 0	
Date of Issue:	2022-08-22		
Applicant:	<b>Pyroban Ltd.</b> 23 Dolphin Road, Shoreham-by-Sea BN43 6PB West Sussex <b>United Kingdom</b>		
Equipment:	<b>Flameproof Populated Enclosure Type C0502</b>		
Optional accessory:			
Type of Protection:	<b>Flameproof Ex 'db'</b>		
Marking:	Ex db IIB T6 Gb Ex db [ib] IIB T6 Gb T <sub>amb</sub> -20°C to +45*/55°C (max) *When fitted with IS barriers		

Approved for issue on behalf of the IECEx  
Certification Body:

**Sean Clarke CEng MSc MIET**

Position:

**Certification Manager**

Signature:  
(for printed version)

Date:  
(for printed version)

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Certificate issued by:

**ExVeritas Limited**  
Units 16-18 Abenbury Way  
Wrexham Ind. Est.  
Wrexham LL 139UZ  
United Kingdom





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Manufacturer: **Pyroban Ltd.**  
23 Dolphin Road, Shoreham-by-Sea  
BN43 6PB West Sussex  
**United Kingdom**

Manufacturing locations: **Pyroban Ltd.**  
23 Dolphin Road, Shoreham-by-Sea  
BN43 6PB West Sussex  
**United Kingdom**

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

## STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

[IEC 60079-1:2014-06](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "I"  
Edition:6.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

## TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[GB/EXV/ExTR22.0044/00](#)

Quality Assessment Report:

[GB/SIR/QAR06.0001/15](#)



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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Type C0502 (Ex d) Enclosure is designed to conform to the requirements of EN60079-0 and -1. It is made from cast aluminium and comprises a main enclosure closed by a bolted-on lid. Threaded apertures for the fitting of suitably certified and dimensioned cable entries are provided. The enclosure contains a variety of electrical control components that may be used for either mobile vehicle or stationary engine applications. The flameproof joints and electrical specifications are detailed on drawing C0502. The equipment can also be populated with certified Intrinsic Safe Barriers to give optional 'ib' outputs.

Rating:  $U_i = 264\text{VAC}$ ,  $P_{\text{out load}} \leq 120\text{W}$

Classification of installation and use stationary

Ingress Protection IP66 max

Rated ambient temperature range  $-20^\circ\text{C} \leq T_a \leq +45/55^\circ\text{C max}$

## SPECIFIC CONDITIONS OF USE: YES as shown below:

Special Conditions for Safe Use

- Flame paths are not intended for modification or repair

Routine tests

- Refer to schedule drawings

Compliance Drawings:

Title:	Drawing No:	Sheets:	Rev. Level:	Date:
C0502 Enclosure Zone 1 Label Marking & Certificate Details	C0502	2 of 2	9	19/07/2022